

## C L A I M S

What is claimed and desired to secure by Letters Patent  
is:

1. A line carrier for supporting a line member extending between a relatively stationary structure and a relatively movable structure which is movable through a limited range relative to said relatively stationary structure, said line carrier comprising:
  - (a) an elongated strip of a flexible material, said elongated strip having opposite ends;
  - (b) a first end of said strip being connected to a first structure of said relatively stationary structure and said relatively movable structure;
  - (c) a second end of said strip being pivotally connected to a second structure of said relatively stationary structure and said relatively movable structure; and
  - (d) at least one retainer feature connecting said line member relative to said strip at a location along said strip between said first and second ends thereof.

2. The line carrier as set forth in Claim 1 further including:
  - (a) a fastener receiving aperture formed through said strip at said first end; and
  - (b) a fastener being received through said aperture to secure said first end of said strip to said first structure.
3. The carrier as set forth in Claim 1 further including:
  - (a) a cylindrical pivot sleeve secured to said second end of said elongate strip;
  - (b) a pivot pin secured to said second structure; and
  - (c) said sleeve being received over said pivot pin to pivotally connect said second end of said strip to said second structure.
4. The carrier as set forth in Claim 1 further including:
  - (a) a plurality of retainer features spaced along said strip for connecting line member relative to said strip.

5. The carrier as set forth in Claim 1 wherein said retainer feature includes:
  - (a) a retainer plate having at least one line receiving aperture formed therethrough and sized and shaped to enable a line member to extend therethrough.
6. The carrier as set forth in Claim 5 wherein:
  - (a) said retainer plate includes a strip receiving slot formed therethrough; and
  - (b) said retainer plate having said strip received through said slot and being selectively positioned along said strip.
7. The carrier as set forth in Claim 1 wherein:
  - (a) said strip is formed of an elongated strip of a flexible spring metal.
8. A carrier as set forth in Claim 1 wherein:
  - (a) said first end of said strip is secured to said relatively movable structure; and
  - (b) said second end is pivotally connected to said relatively stationary structure.

9. A carrier as set forth in Claim 1 wherein:

(a) said movable structure is translatable relative to said stationary structure in a direction of travel;

(b) said first end of said strip is positioned in substantial alignment with said second end along a line substantially parallel to said direction of travel; and

(c) said first end and said second end remain in said substantial alignment throughout translation of said movable structure relative to said stationary structure.

10. A wiring and tubing carrier for supporting a combination of wires and/or tubes extending between a relatively stationary structure and a relatively movable structure which is translatable through a limited range relative to said stationary structure between a retracted condition and an extended condition, said carrier comprising:
- (a) an elongated carrier strip of a flexible material, said strip having opposite ends and extending arcuately between said opposite ends;
  - (b) a first end of said strip being secured to said stationary structure;
  - (c) a second end of said strip being pivotally connected to said stationary structure; and
  - (d) a plurality of retainer members connecting said wires and/or tubes to said strip at a plurality of locations spaced along said strip between said opposite ends thereof in such a manner that said wires and/or tubes follow said strip during movement of said movable structure.

11. A carrier as set forth in Claim 10 and including:
  - (a) a fastener receiving aperture formed through said strip at said first end; and
  - (b) a fastener being received through said aperture to secure said first end of said strip to said first structure.
  
12. A carrier as set forth in Claim 10 and including:
  - (a) said second end of said strip having a cylindrical pivot sleeve secured thereto;
  - (b) a pivot pin being secured to said second structure; and
  - (c) said sleeve being received over said pivot pin to thereby pivotally connect said second end of said strip to said second structure.

13. A carrier as set forth in Claim 10 and including:

- (a) a fastener receiving aperture formed through said strip at said first end;
- (b) a fastener being received through said aperture to secure said first end of said strip to said first structure;
- (c) said second end of said strip having a cylindrical pivot sleeve secured thereto;
- (d) a pivot pin being secured to said second structure; and
- (e) said sleeve being received over said pivot pin to thereby pivotally connect said second end of said strip to said second structure.

14. A carrier as set forth in Claim 10 wherein said plurality of retainer members includes:

- (a) a plurality of retainer plates, each plate having at least one line receiving aperture formed therethrough which is sized and shaped to enable a wire or tube to extend therethrough;
- (b) each retainer plate including a strip receiving slot formed therethrough;
- (c) each retainer plate having said strip extending through its associated slot; and
- (d) said retainer plates being positioned in selectively spaced relation along said strip.

15. A carrier as set forth in Claim 10 wherein:

- (a) said strip is formed of an elongated strip of a flexible spring metal.

16. A carrier as set forth in Claim 10 wherein:

- (a) said movable structure is translatable relative to said stationary structure in a direction of travel;
- (b) said first end of said strip is positioned in substantial alignment with said second end along a line substantially parallel to said direction of travel; and
- (c) said first end and said second end remain in said substantial alignment throughout translation of said movable structure relative to said stationary structure.

17. A wiring and tubing carrier supporting a combination of wires and/or tubes extending between a relatively stationary vehicle structure and a slide-out room structure which is translatable through a limited range relative to said vehicle structure between a retracted condition and an extended condition, said carrier comprising:

- (a) an elongated carrier strip of a flexible material, said strip having opposite ends and extending arcuately between said opposite ends;
- (b) a first end of said strip being secured to said vehicle structure;
- (c) a second end of said strip having a cylindrical pivot sleeve secured thereto and said sleeve being received over a pivot pin secured to said vehicle structure to thereby pivotally connect said second end of said strip to said vehicle structure;
- (d) a plurality of retainer features positioned along said strip and engaging said wires and/or tubes with said strip at a plurality of locations spaced along said strip between said opposite ends thereof in such a manner that said wires and/or

tubes follow said strip during movement of said room structure;

- (e) said room structure being translatable relative to said vehicle structure in a direction of travel;
- (f) said first end of said strip positioned in substantial alignment with said second end along a line substantially parallel to said direction of travel; and
- (g) said first end and said second end remaining in said substantial alignment throughout translation of said room structure relative to said vehicle structure.

18. A carrier as set forth in Claim 17 and including:

- (a) a fastener receiving aperture formed through said strip at said first end; and
- (b) a fastener being received through said aperture to secure said first end of said strip to said vehicle structure.

19. A carrier as set forth in Claim 17 wherein said plurality of retainer features includes:

- (a) a plurality of retainer plates, each plate having a plurality of receiving apertures formed therethrough which are sized and shaped to enable a wire or tube to extend therethrough;
- (b) each retainer plate including a strip receiving slot formed therethrough;
- (c) each retainer plate having said strip extending through its associated slot; and
- (d) said retainer plates being positioned in selectively spaced relation along said strip and being urged to retain in position by frictional engagement between said retainer plates and said strip.

20. A carrier as set forth in Claim 17 wherein:

- (a) said strip is formed of an elongated strip of a flexible spring metal.

21. A line carrier for supporting a line member extending between a vehicle and a slide-out room which is slidably advanceable between a retracted position and an extended position through a hole in a wall of said vehicle; said vehicle having a vehicle floor; said slide-out room having a slide-out room floor; said line carrier comprising:
- (a) an elongated strip of a flexible material;
  - (b) a first end of said strip being connected to said slide-out room;
  - (c) a second end of said strip being connected to said vehicle below said vehicle floor;
  - (d) at least one of said first and second ends of said strip being pivotally connected to said slide-out room or said vehicle respectively; and
  - (e) at least one retainer feature connecting said line member relative to said elongated strip at a location along said strip between said first and second ends thereof.